

NON-CORROSIVE GMR SLIDER FOR PROXIMITY RECORDING

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Atty. ref.: READP053

THIS CORRESPONDENCE CHART IS FOR EASE OF
UNDERSTANDING AND INFORMATIONAL PURPOSES ONLY, AND DOES
NOT FORM A PART OF THE FORMAL PATENT APPLICATION.

10	disk drive head with protective recessed area	84	tracks
20	magnetic storage device	86	voltage source
22	disk drive	88	electrical arcs
24	magnetic storage medium	90	transducer with recessed area
26	hard disk	92	recessed area
28	data read/write device	94	protective material
30	arm	110	head with recessed lead portions
34	slider		
36	magneto-resistive head		
38	coil		
40	leads		
42	pole piece (second pole)		
46	ABS		
48	protective coating layer		
50	read head		
52	write head		
54	first shield layer		
56	dual gap layer		
58	GMR transducer		
60	first pole piece layer, second shield		
61	stack of layers		
62	free layer		
64	free layer proximal end		
66	non-magnetic metal layer		
68	non-magnetic layer proximal end		
70	pinned layer		
72	pinned layer proximal end		
74	anti-ferromagnetic layer		
76	anti-ferromagnetic layer proximal end		
80	disk surface		
82	electrical leads		
83	proximal ends of leads		

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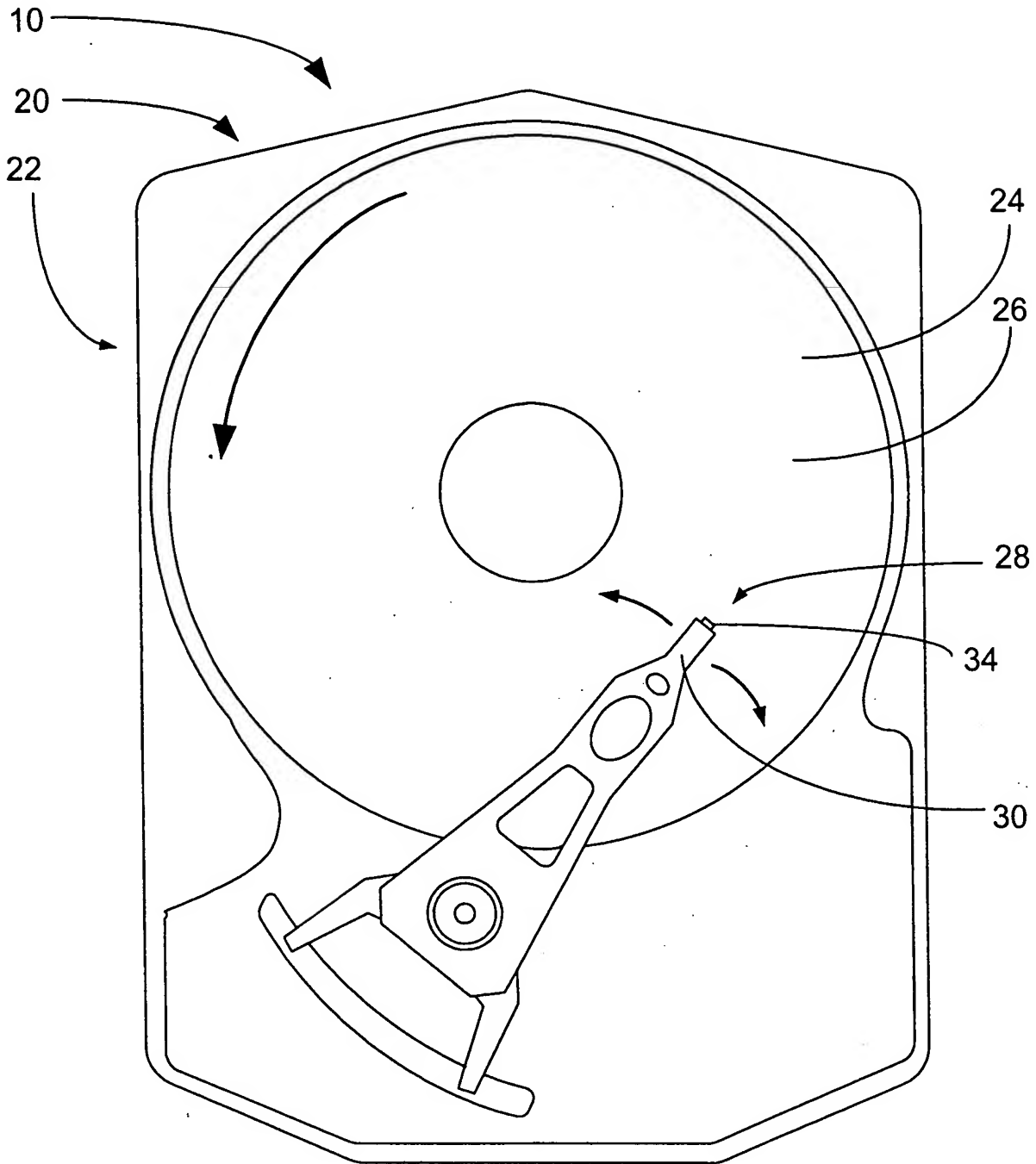


FIGURE 1

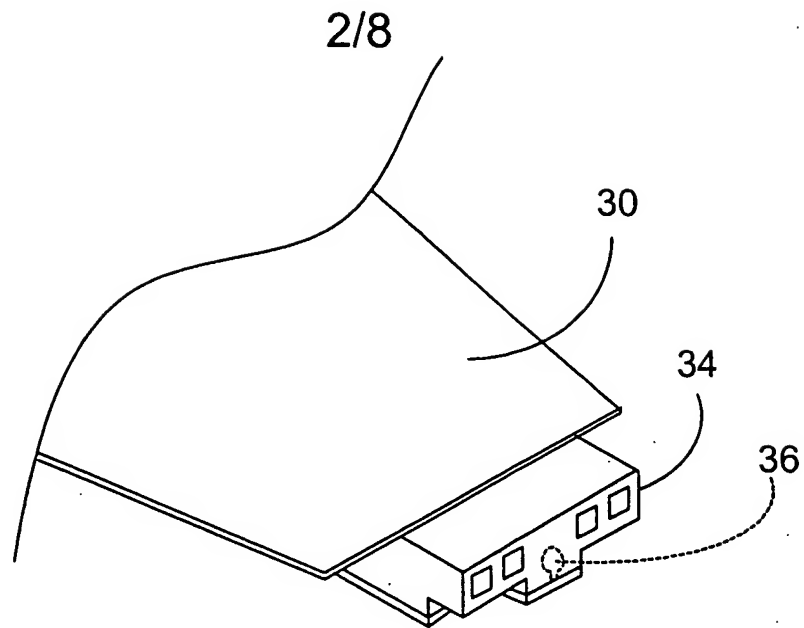


FIGURE 2

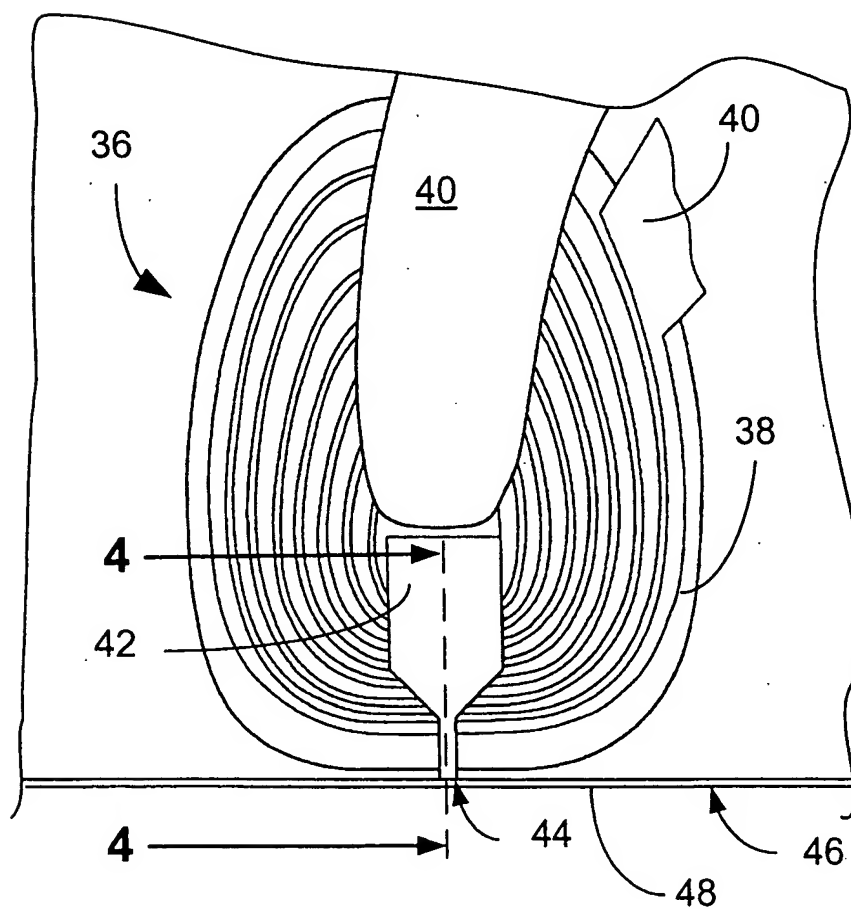


FIGURE 3

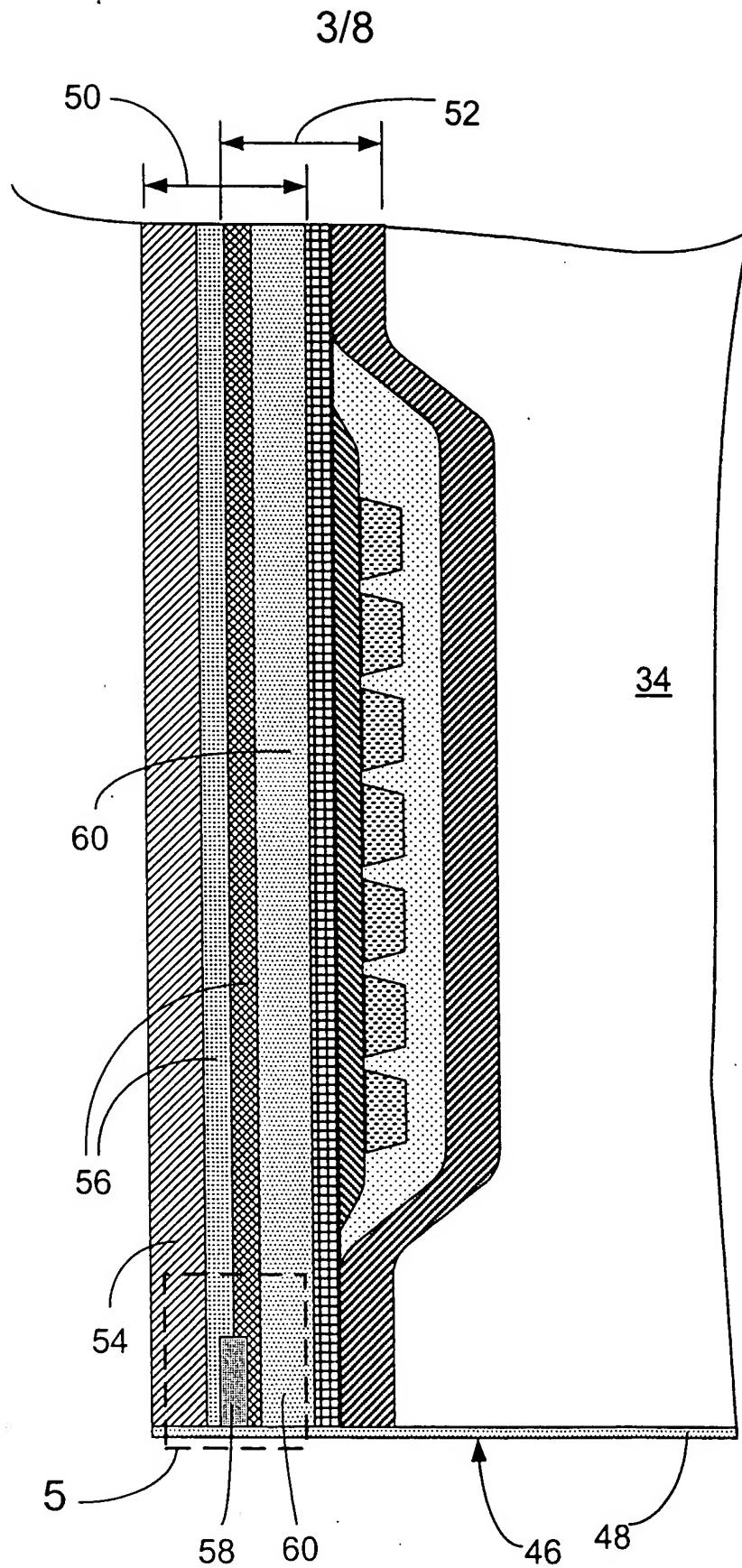


FIGURE 4

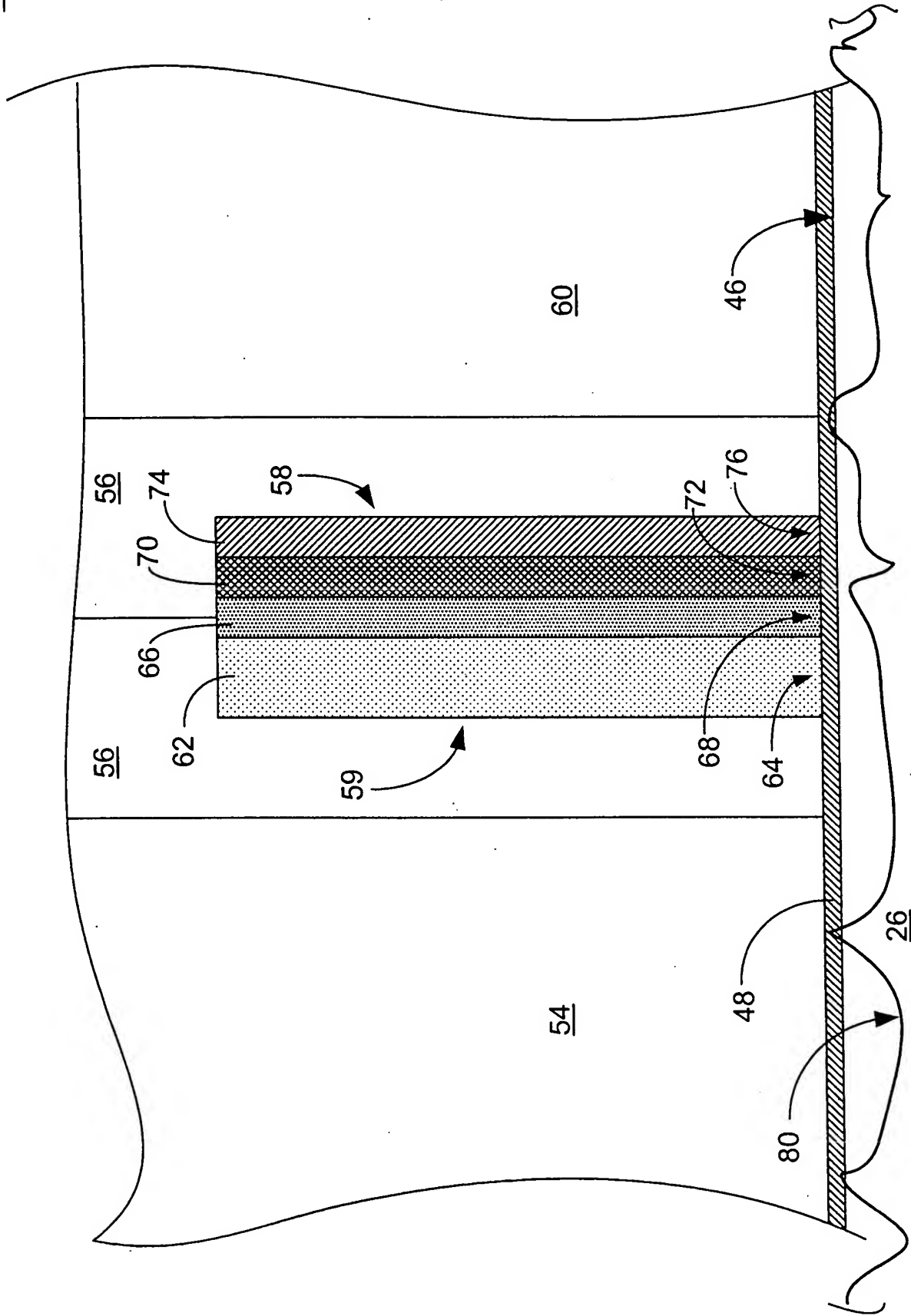


FIGURE 5

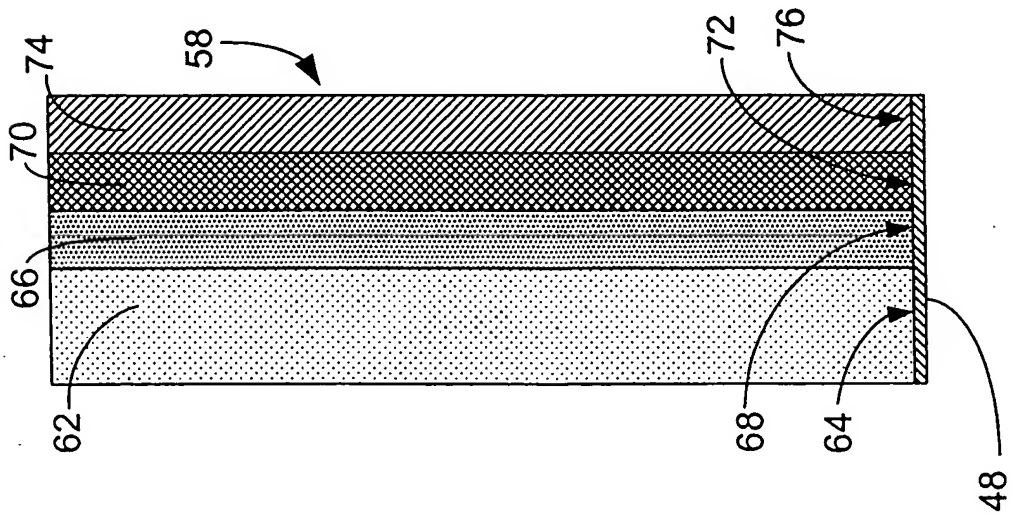
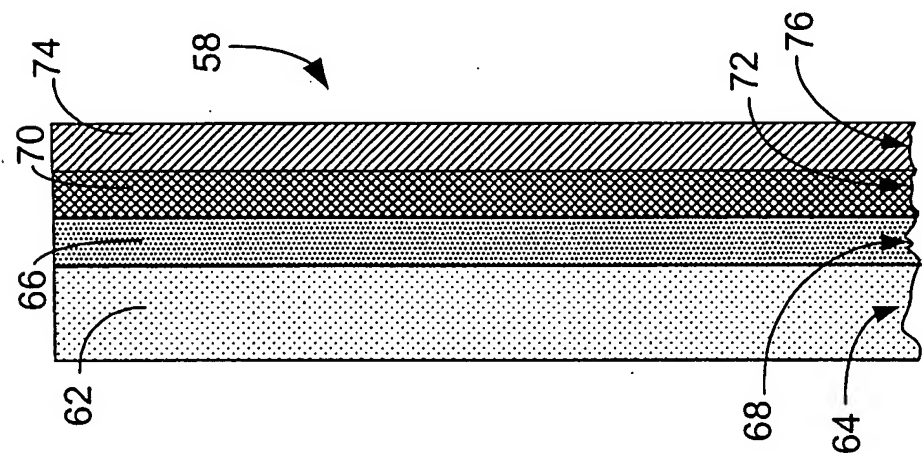
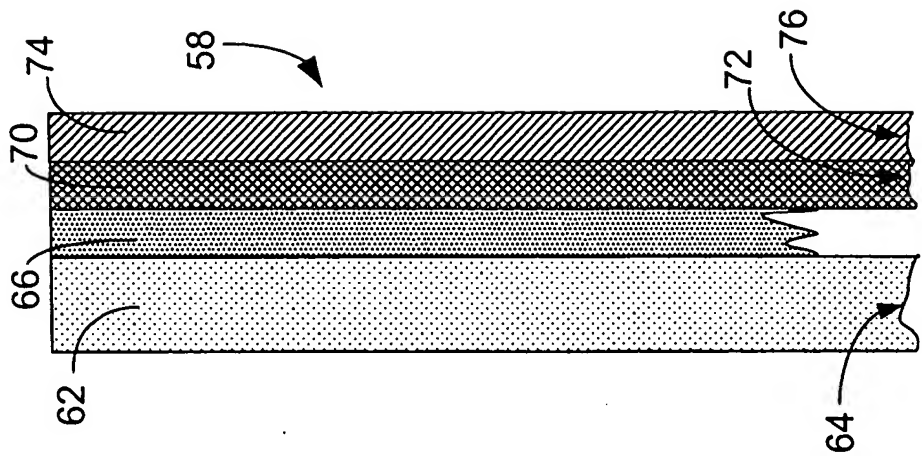


FIGURE 6C
(Prior Art)

FIGURE 6B
(Prior Art)

FIGURE 6A
(Prior Art)



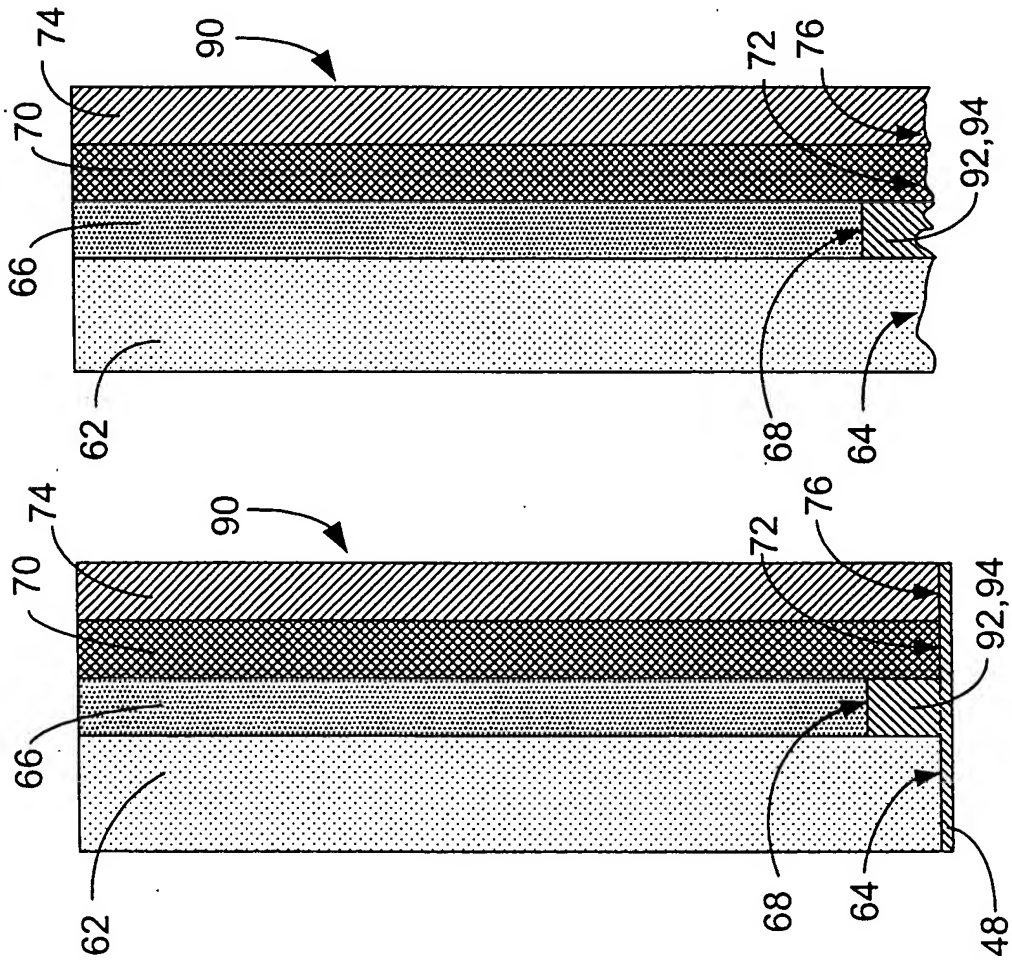


FIGURE 7A FIGURE 7B

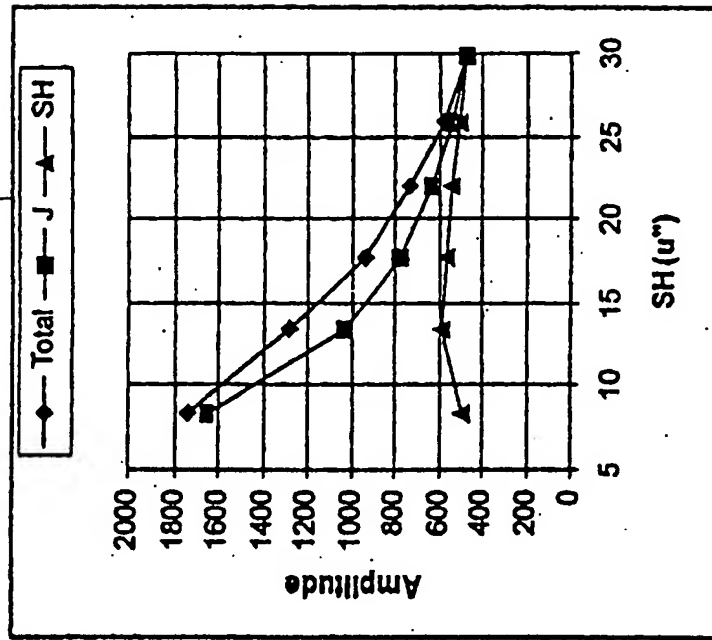


FIGURE 8

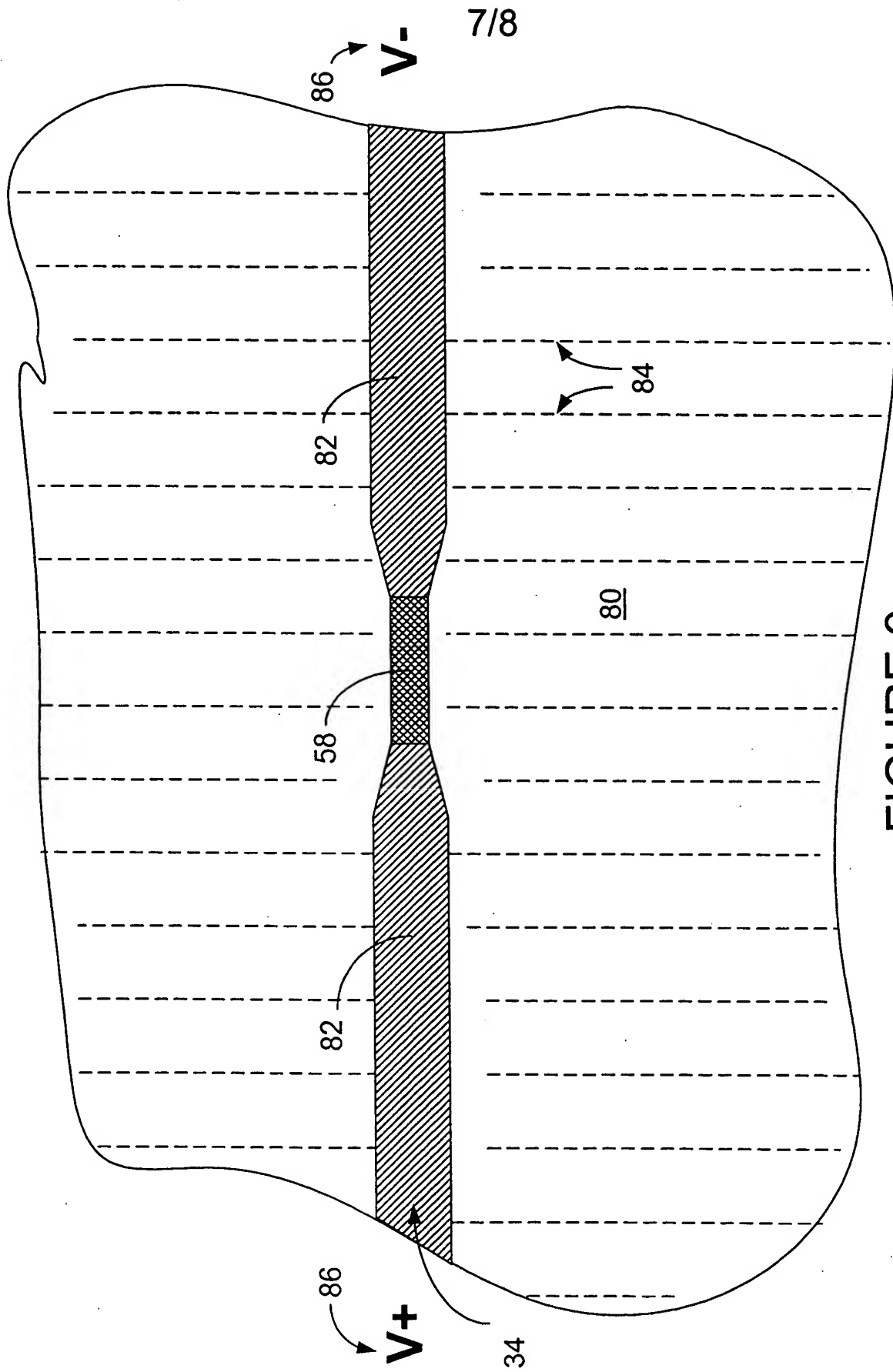


FIGURE 9

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V+

86

82

58

82

80

84

86

V-

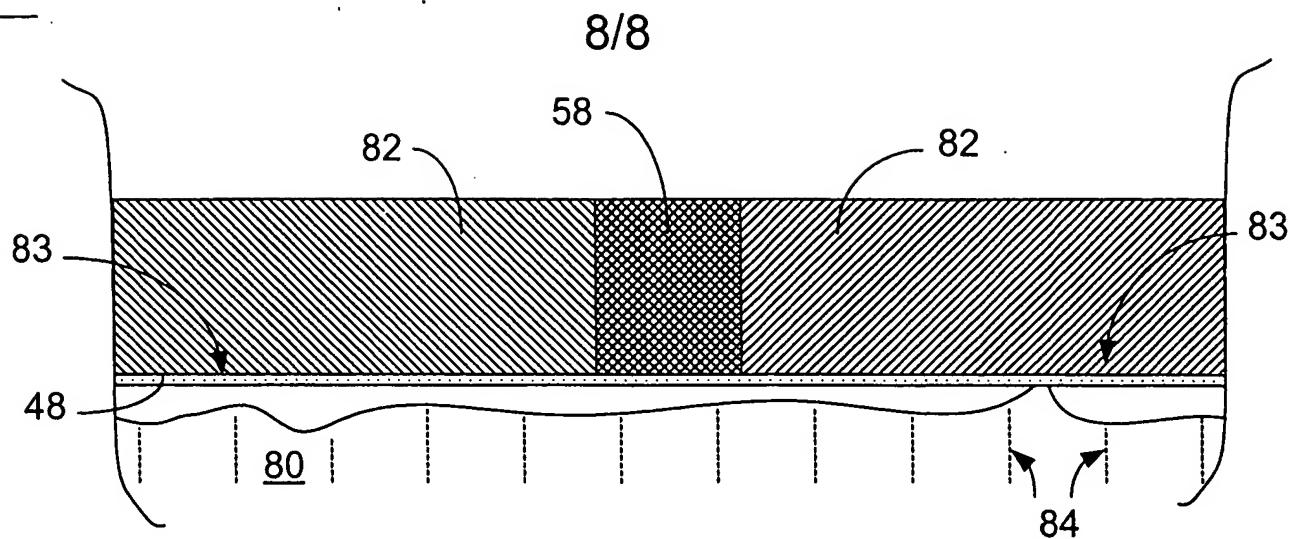


FIGURE 10 A

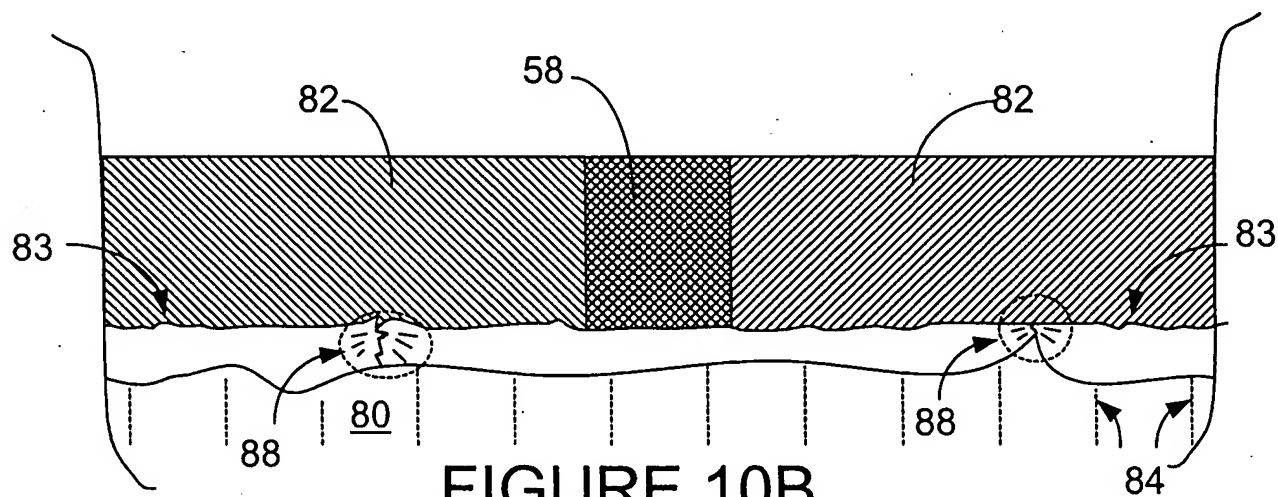


FIGURE 10B
(Prior Art)

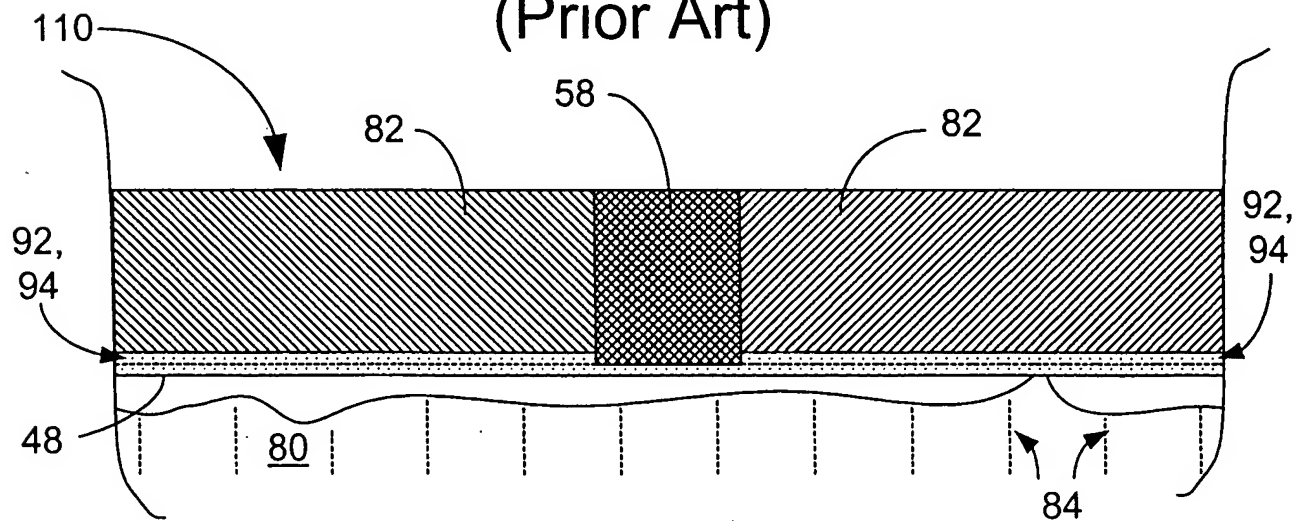


FIGURE 11

